

Hydrophobia 1844
Hydrophobia
epidemic
in
France
on
wires



March 1838

1838

Observations &c &c.

From the importance of Vision, the Eye, perhaps, is the most interesting Organ of the Body. — It has been designated the "mirror of the soul" — and the "master piece of Nature". — That delicacy of structure, however, which is so much the object of admiration, renders it peculiarly liable to disease. — Among the copious Catalogue of its morbid affections, we have selected the one, known by the term Cataract, as the subject of the ensuing observations. — This complaint was wholly misunderstood by the ancient Medical writers. — To Caspandauer, Raubalt and Borrelli we are indebted for the earliest description which approximates to a correct view of it. — But the celebrated Prieber, in his treatise "de Cataracta in lente ChrySTALLINA" has demonstrated satisfactorily, that the ChrySTALLINE Lens is generally the seat of the

Chapter 10

The first of these is the fact that the
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 composed of many different parts, each
 of which has its own peculiar character
 and its own peculiar history. The second
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disease, and, we may therefore ascribe to him with more justice, the credit of the real discovery of the nature and seat of Cataract. —

We define the complaint to be an opacity of the Crystalline Lens, or its investing membrane, intercepting the rays of light in their transmission to the Optic Nerve. —

The approach of Cataract is commonly announced by a numerous train of symptoms, but especially by pain in the part, and head ache. — Cases however sometimes occur where the disease is suddenly formed without any admonitory indications whatever. — We are told of many other symptoms which attend the forming stage of the affection, such as, an apparant obliquity in the direction of objects, owing to an alteration in the refraction of the rays of Light &c. &c. But, a minute detail of the symptoms

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is not our design, and we therefore proceed to mention the
Remote Causes.

These are, Flows on the part, or any accident which produces congestion of the globe of the eye, and occasions derangement beyond the capacity of restoration; - mechanical irritation from extraneous substances entering the eye; - long and painful exercise of the organ, and the excessive glare from brilliant light. - It is also said sometimes to be the consequence of other diseases, namely, of scrophulae, gout, and Lues Venerea.

Its Proximate Cause,

Has been ascribed to an obstruction in the vessels of the Lens. - But obstruction seems rather to be the proximate effect, than the immediate cause of the disease.

It more probably consists in inflammatory action of the

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Lens or its Capsule.

We know, that adhesions result from inflammation in other parts of the body, and hence, we presume, arise those adhesions which are observed to take place between the Capsule, & Lens.

In objection to inflammation as the proximate cause, it may be urged, that, no Vessels have ever been detected in the chrySTALLINE Lens. But the Lens, surely, like every organized part must be nourished, and, how can this work be accomplished without the existence of Vessels? The objection therefore, does not strike us as militating in the slightest degree against the validity of the theory.

We come now to treat of the Cure of the Complaint.

Little is to be expected from the use of internal remedies. Many, we are apprised, have been tried at different times, but certainly, with very equivocal

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example. We know, indeed, of no one which is well
to enter comparison. —

• Mercury, by its power of exciting absorption,
promises the greatest advantage. — It may, in
this way, considerably be of service by removing the
obstruction, and clearing the system. — But as
the Medicine, we suspect, can only do good in a
indirect Sub of treatment. —

• 2^dly, the Lymphatic is completely formed, &
cannot rely exclusively on the absorption of the same,
the State, therefore, now describes it. —

• Having, of performing the Operation we, at present,
practical, and each one is supported by independent
authority. —

• The are terminally designed to be himself of
an Extraction. —

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In the first operation, the lens is removed from its natural position in the axis of vision, and deposited at the bottom of the eye, which is done, by introducing a Needle through the conjunctive coat about the sixth of an inch from the corner behind the iris, so as to pass the middle of the lens. By now exerting the handle of the Instrument, the lens is pushed to the bottom of the eye, and lodged beneath the vitreous humours,

In the second operation, a trial of extraction, the lens is extracted out the section of the lens.

Of this operation we shall speak hereafter more fully.

But what mode of operating is recommended and continued to be practiced by surgeons eminent & distinguished by their skill and experience, for the removal & extraction of the cataract, & under the name of cataract, we are inclined to adopt the one of extraction.

we shall not mention all the considerations which have influ-
enced our decision, but content ourselves with stating those only which are
the most convincing.

1st It is attended with less pain, as opposed to the pain
of those on whom the operation has been performed in little ways.

2. It will tell better the intention of the operation, which is the removal
of the lens or capsule.

3. There are cases of the disease that can only be embraced by this
as then called Membranous Cataract, in which the capsule is left.

4. It is a more certain operation. For there are not wanting instances
where the disease has returned to the lens assuming its former
form after the matter has been withdrawn. Where this happens
during the course, the operation is rendered abortive and must be repeated.

It has been urged against the removal of the lens & capsule
that it is often followed by opaque Cornea, and that there is danger
of the escape of the Vitreous Humour. But we conceive these
objections to be of little weight, and are rather to be considered as

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... from the attachment of the surgeon, then as regards
to the operation. The injurious consequence to the sensorium
by the use of a sharp knife, and a copy of the Vision
occur from such and improper pressure on the eye. But even if
without serious loss of vision, it is not so as to be regarded
to the eye, since we have proofs of the reproduction of the same
case. However, we should always be ready to assist the patient
It remains for us to describe the Operation.

Having ascertained, with care, with almost certain
indications which are familiar to every experienced Surgeon, that
is of the nature to be remedied by the Operation, we may proceed
to it. The patient should be placed on a table
the upper eye to the window, and the lower eye
applied. The head being raised in a proper position, an assist-
ant must raise the upper eye lid, taking care not to injure the eye.

The Surgeon stands on a chair within sight. One foot of the patient
to support the lower lid with one hand, while with the other, he makes

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section of the cord. See also the drawing in the preceding chapter.

The hand being fixed in the clasp of the p. d. v. the knife is introduced about one inch into the space between the p. d. v. and the p. d. v. through the cord, till it comes out at the lower angle.

In pulling the cord, it occasionally happens, from a pressure of the p. d. v. on the cord, that the cord comes forward and enters the p. d. v. the knife. It may be made to recede by pulling the cord to the end of the finger... after the section of the cord the cord is an artery, and the p. d. v. is a vessel of blood which, when the p. d. v. is closed by exposing the eye, and the ligament is cut with a needle, cautiously avoiding any exposure of the eye. Care is taken the needle, the eye is again left for a few minutes to rest, and the p. d. v. is then closed; the eye is then closed to rest, and the cord, with a pressure of p. d. v. on the p. d. v. is prepared with a view of detaching the cord, the surgeon will pass around, discharging the p. d. v. from the p. d. v. and separate the p. d. v. according to the circumstances of the case... if a reasonable

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of pressure should not remove the lens, the hook is to be retarded to, and if neither answers the purpose, the resistance is to be suspected to proceed from adhesions between the Capsule and the posterior surface of the Iris. In which event, the adhesions are to be separated by the needle.

When we have grounds to presume the Capsule to be opaque it will be expedient to remove it before the lens, for it is most readily laid hold of while surrounding the lens, and the lens may afterwards be taken out by the hook.

After the Operation, the eye is closed, and a compress of soft linen is put over it, moisten'd with a weak Saturnine solution, and the whole secured by the usual bandage.

The Patient ought to be confined to a dark Room, and, restricted to a low abstemious diet.

It will perhaps be prudent to tie the hands of the Patient, to the Bed-sides to obviate his disturbing of the eye.

The dressing should be renewed every day, and the edges of the

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divided Cornea kept in apposition. —

If pain or fever supervene, they are to be treated as from other causes.
In about ten days after the Operation, the eye may be examined,
and if the Patient find any restoration of Vision, we may indulge
the hope of success. —

Painke are commonly dismissed in three or four weeks from the
Period of Operating, if nothing particularly unfavourable has taken place
the progress of the cure. —

The End.

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